

Well connected to Rykelvic number 10, 1962

# FILE NOTATIONS

Entered in N I D File ✓  
 Entered On S R Sheet ✓  
 Location Map Pinned ✓  
 Card Indexed ✓  
 I W R for State or Fee Land         

Checked by Chief RLL  
 Copy N I D to Field Office ✓  
 Approval Letter ✓  
 Disapproval Letter         

## COMPLETION DATA:

Date Well Completed           
 OW          WW          TA           
 GW ✓ OS          PA         

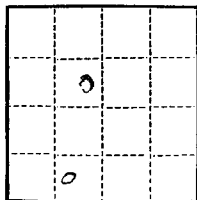
Location Inspected           
 Bond released           
 State of Fee Land         

## LOGS FILED

Driller's Log 11-20-61 *Hold for final log following recompletion.*  
 Electric Logs (No. 1) ✓

E ✓ I          E-I          GR          GR-N ✓ Micro ✓  
 Lat.          Mi-L          Sonic          Others         

*Cement hoc log*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office **SALT LAKE**  
Lease No. **SL 971172**  
Unit **BRYSON CANYON**

SUNDRY NOTICES AND REPORTS ON WELLS

|  |                                     |  |
|--|-------------------------------------|--|
| NOTICE OF INTENTION TO DRILL                   | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF        |
| NOTICE OF INTENTION TO CHANGE PLANS            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     |                                     | SUBSEQUENT REPORT OF ALTERING CASING       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL |                                     | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        |                                     | SUBSEQUENT REPORT OF ABANDONMENT           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    |                                     | SUPPLEMENTARY WELL HISTORY                 |
| NOTICE OF INTENTION TO ABANDON WELL            |                                     |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 13, 1960

Well No. **2** is located **3322.3** ft. from **[S]** line and **2110.2** ft. from **[E/W]** line of sec. **10**

**Section 10** **17 South 24 East** **SLB&M**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **Grand** **Utah**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6,135.0'** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill using rotary methods thru the Mancos, Dakota, Morrison and Entrada Formations

Casing Program

9-5/8" surface casing set at 450' with cement to surface

5 1/2" 15.5# J-55 production casing if production is found.

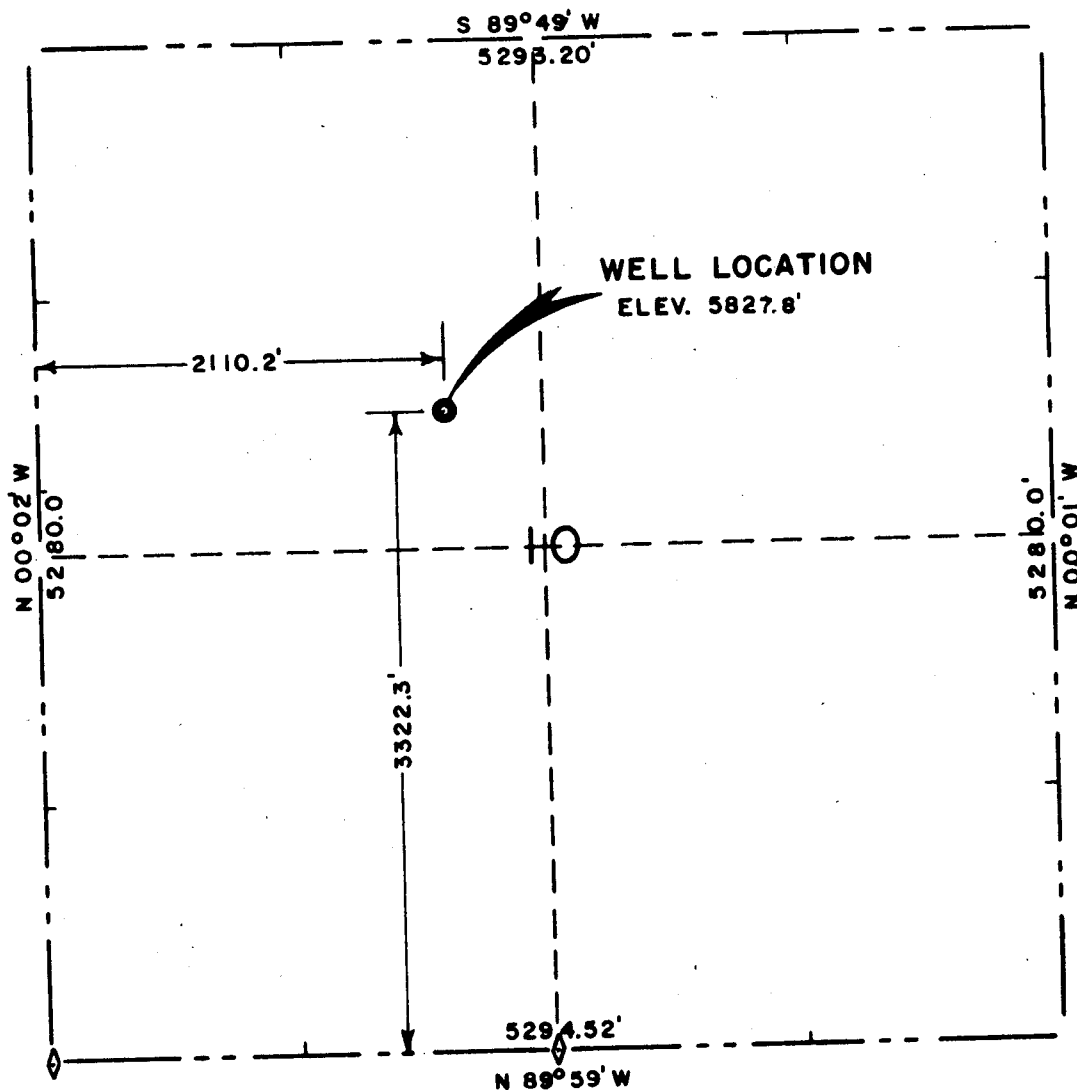
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **TREND OIL COMPANY, operator**  
**612 Statler Center, 900 Wilshire Blvd.**  
Address **Los Angeles 17, California**

By   
**H. W. Dougherty**  
Title **President**

# WELL LOCATION

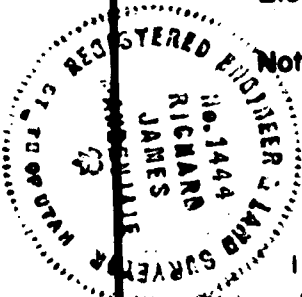
SE 1/4 NW 1/4 SECTION 10  
T 17 S R 24 E SLB & M



SCALE 1"=1000'

Elevations referred to USGS datum.

Note: This location is 335.6 feet lower in elevation than Shamrock East Canyon well and 15.3 feet higher than valve on Oil Inc. E-2 (USGS-5812.5)



I, Richard J. Mandeville do hereby certify that this plat was plotted from notes of a field survey made under my supervision on August 11, 1960.

*Richard J. Mandeville*  
Registered Engineer & Land Surveyor

|                 |                               |                  |
|-----------------|-------------------------------|------------------|
| Revised 9/20/60 | WESTERN ENGINEERS             |                  |
|                 | WELL LOCATION                 |                  |
|                 | BOOK CLIFFS OIL AND GAS CO.   |                  |
|                 | BRYSON CANYON NO. 2           |                  |
|                 | GRAND COUNTY, UTAH            |                  |
|                 | SURVEYED                      | ... G. A. B. ... |
|                 | DRAWN                         | ... F. A. P. ... |
|                 | Grand Junction, Colo. 8/19/60 |                  |

September 22, 1960

Trend Oil Company  
412 Statler Center  
900 Wilshire Blvd.  
Los Angeles 17, California

Attention: H. W. Dougherty, President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Bryson Canyon Unit # 2, which is to be located 3322.3 feet from the south line and 2110.2 feet from the west line of Section 10, Township 17 South, Range 24 East, SLM, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,  
EXECUTIVE SECRETARY

CBF:awg

cc: Don F. Russell, Dist. Eng.  
U. S. Geological Survey  
Salt Lake City, Utah

CH 3-1240

September 23, 1960

Trend Oil Company  
412 Statler Center  
900 Wilshire Blvd.  
Los Angeles 17, California

Attention: H. W. Dougherty, President

Re: Well No. Bryson Canyon Unit #2,  
3322.3' FSL & 2110.2' F/L of  
Sec. 10, T. 17 S., R. 24 E.,  
Grand County, Utah

Gentlemen:

Your attention is directed to our letter of September 22, 1960, in which approval was granted to drill the above mentioned well.

From the information now available at this office it appears that the Bryson Canyon Unit #1 well will be completed as a gas well. Rule C-3 (b) of our rules and regulations provides: "All wells drilled for oil or gas which are not within an area covered by a special area spacing rule or which are not within a pool for which drilling units have been established shall be located not less than 500 feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location and not less than 1000 feet from any oil well or 4960 feet from any gas well, unless otherwise specifically permitted by order of the Commission after notice and hearing, or unless an exception is granted by the Commission pursuant to Rule C-3 (c).

It appears that the proposed location for the Bryson Canyon Unit #2 well is less than 4960 feet from the Bryson Canyon Unit #1 well, therefore, we must cancel our previous approval of September 22, 1960.

If you have any further questions regarding this matter, please let us know.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,  
EXECUTIVE SECRETARY

CHF:awg  
cc: Don F. Russell, Dist. Eng.  
U. S. Geological Survey

A copy of this letter was also sent to Mr. Dougherty at the LeCompt Hotel in Grand Junction, Colo.

TREND OIL COMPANY  
1001 PETROLEUM BUILDING  
714 W. OLYMPIC BLVD.  
LOS ANGELES 16, CALIFORNIA  
17

412 Statler Center  
900 Wilshire Blvd.

Sept. 27, 1960

Cleon B. Feight, Executive Secretary  
Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah.

Dear Mr. Feight:

Re: Well No. Bryson Canyon Unit #2  
3322.3' FSL & 2110.2' FWL of  
Sec. 10, T. 17 S., R. 24 E.,  
Grand County, Utah.

Enclosed please find in triplicate application  
for the drilling of Bryson Canyon Unit #2.

Trend Oil Company, Operator, is at this time  
requesting permission to drill an unorthodox location. This  
request is made due to the uncertain geologic knowledge we  
have at this time. We agree to drill this well as a test  
of the Salt Wash and Entrada zones. We further agree not  
to produce from the Dakota and lower Morrison sections.  
As stated above this is a test of the Salt Wash and Entrada  
for geologic purposes only.

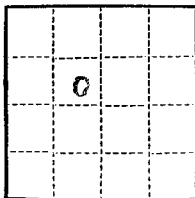
We certainly appreciate your very fine cooper-  
ation and hope this will bring to the State of Utah added  
revenue.

Very truly yours,

TREND OIL COMPANY, Operator

By   
H.W. Dougherty, President

HWD:m  
Enc.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office SALT LAKE  
Lease No. SL 071172  
Unit BRYSON CANYON

SUNDRY NOTICES AND REPORTS ON WELLS

|  |                                     |  |  |
|--|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL                   | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     |                                     | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL |                                     | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        |                                     | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    |                                     | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL            |                                     |  |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 27, 1960

Well No. 2 is located 3322.3 ft. from S line and 2110.2 ft. from E line of sec. 10

SE 1/4 NW 1/4 Sec. 10 17 South 24 East SLB&M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Grand Utah  
(Field) (County or Subdivision) (State or Territory)

5827.8

The elevation of the derrick floor above sea level is 6135.0 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill using rotary methods to the Salt Wash and Entrada Formations.

Casing Program

9-5/8" surface casing set at 450' with cement to surface.

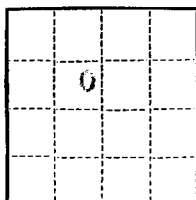
5 1/2" 15.5# J-55 production casing if production is found.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company TREND OIL COMPANY, operator  
412 Statler Center, 900 Wilshire Blvd.  
Address Los Angeles 17, Calif.

By H.W. Dougherty  
H.W. Dougherty  
Title President





(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. U-171172  
Unit Bryson Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

|  |                                     |  |
|--|-------------------------------------|--|
| NOTICE OF INTENTION TO DRILL                   | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF        |
| NOTICE OF INTENTION TO CHANGE PLANS            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     |                                     | SUBSEQUENT REPORT OF ALTERING CASING       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL |                                     | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        |                                     | SUBSEQUENT REPORT OF ABANDONMENT           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    |                                     | SUPPLEMENTARY WELL HISTORY                 |
| NOTICE OF INTENTION TO ABANDON WELL            |                                     |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 28, 19 60

Well No. 2 is located 3322.3 ft. from XXXX line and 2110.2 ft. from W line of sec. 10

NW 10 17 S. 24 E. Salt Lake  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Unit Well Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5338 ft. (CL 5827.8)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Intend drilling through Castlegate ss plus 50' into Mancos to approximately 1080' to run 8-5/8" casing and cement to surface. Then air drill to the Dakota silt; then gas drill through the remaining section into the Entrada. Plan to run 5-1/2" casing through the Entrada and cement to above the Dakota silt then perforate only the Salt Wash and Entrada, if productive.

Estimated tops are: Buck Tongue 700', Castlegate 970', Base of Castlegate 1030' (Mancos), Kds 4430', Kd 4520', Km 4622', Morrison 4680', Entrada 5280'.

Distribution: 3 copies - Room 445 District Engineer, U.S.G.S., Federal Bldg, S.L.C.  
1 copy - Utah Oil & Gas Conservation Commission, Newhouse Bldg, S.L.C.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Trend Oil Company  
Address 412 Statler Center  
Los Angeles 17, California  
By Graham S. Campbell  
Title Geologist

September 28, 1960

Arend Oil Company  
412 Statler Center  
900 Wilshire Blvd.  
Los Angeles 17, Calif.

Attention: H. W. Dougherty, President

Gentlemen:

This is to acknowledge receipt of your revised notice of intention to drill Well No. Bryson Canyon Unit #2, which is to be located 3322.3 feet from the south line and 2110.2 feet from the west line of Section 10, Township 17 South, Range 24 East, S1M, Grand County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted subject to the following provisions:

1. The well may be completed only in the Salt Wash and/or the Entrada Formations.
2. The production string must be set below the base of the Brushy Basin Formation and must be cemented in such a manner and with a sufficient amount of cement to effectively isolate the Dakota, Cedar Mountain and Brushy Basin Formations from one another and from the Salt Wash and Entrada Formations.

This approval terminates with 90 days if the above mentioned well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT,  
EXECUTIVE SECRETARY

GBF:ang

cc: Harvey L. Counts - OGC, Mead

Don F. Russell, Dist. Eng.  
U. S. Geological Survey  
Salt Lake City, Utah



# CHEMICAL & GEOLOGICAL LABORATORIES

410 South Poplar St. ~~521 South Center St.~~ P. O. Box 279  
Casper, Wyoming

## GAS ANALYSIS REPORT

Field \_\_\_\_\_ Well No. \_\_\_\_\_  
Operator Trend Oil Company Location \_\_\_\_\_  
Formation Ka-Morrison SR Depths \_\_\_\_\_ Lab. No. 15747-2  
Analyzed by DS Date October 7, 1960  
Remarks \_\_\_\_\_

### ORSAT ANALYSIS

|  | % by<br>Volume |
|--|----------------|
| Oxygen   | _____          |
| Nitrogen   | _____          |
| Carbon dioxide                                   | _____          |
| Hydrogen sulfide                                 | _____          |
| Methane  | _____          |
| Ethane and higher                                | _____          |
| Specific Gravity (calculated)                    | _____          |
| Specific Gravity (observed)                      | _____          |
| Gross B.t.u. per cu. ft. at 60° F. and 14.7 psia | _____          |

### HYDROGEN SULFIDE (by Tutwiler Method)

Grains of hydrogen sulfide per  
100 cu. ft. of gas at 60° F. and  
14.7 psia \_\_\_\_\_  
Percentage of hydrogen sulfide \_\_\_\_\_

### PODBIELNIAK Low Temperature Fractionation

|   | % by<br>Volume | G. P. M.     |
|---|----------------|--------------|
| Oxygen                                      | <u>0</u>       |              |
| Nitrogen                                    | <u>0.44</u>    |              |
| Carbon dioxide                              | <u>0.62</u>    |              |
| Hydrogen sulfide                            | <u>0</u>       |              |
| Methane                                     | <u>94.00</u>   |              |
| Ethane                                      | <u>4.08</u>    |              |
| Propane                                     | <u>0.61</u>    | <u>0.167</u> |
| Isobutane                                   | <u>0.13</u>    | <u>0.042</u> |
| N-butane                                    | <u>0.09</u>    | <u>0.028</u> |
| Isopentane                                  | <u>0.02</u>    | <u>0.007</u> |
| N-pentane                                   | <u>0.01</u>    | <u>0.004</u> |
| Hexanes & higher                            | <u>0</u>       | <u>-</u>     |
| TOTAL                                       | <u>100.00</u>  | <u>0.248</u> |
| Gross B.t.u. at 60°F. and 14.7 psia by Pod. |                | <u>1046</u>  |
| Specific Gravity by Pod.                    |                | <u>0.591</u> |
| Specific Gravity by Weight                  |                | <u>0.594</u> |

### G. P. M.

|   |              |
|---|--------------|
| Actual pentanes +                                   | <u>0.011</u> |
| Calculated at 12 lbs.                               | <u>-</u>     |
| Calculated at 15 lbs.                               | <u>-</u>     |
| Calculated at 22 lbs.                               | <u>0.012</u> |
| Calculated at 26 lbs.                               | <u>0.013</u> |
| Vapor pressure (calculated) of<br>actual pentanes + | <u>18.54</u> |

Remarks and Conclusions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# CHEMICAL & GEOLOGICAL LABORATORIES

410 South Poplar St. 521 South Center St. P. O. Box 279  
Casper, Wyoming

## GAS ANALYSIS REPORT

Field \_\_\_\_\_ Well No. \_\_\_\_\_  
Operator Trend Oil Company Location \_\_\_\_\_  
Formation Ja Dakota Depths \_\_\_\_\_ Lab. No. 15747-1  
Analyzed by DS Date October 7, 1960  
Remarks \_\_\_\_\_

### ORSAT ANALYSIS

|  | % by<br>Volume |
|--|----------------|
| Oxygen   | _____          |
| Nitrogen   | _____          |
| Carbon dioxide                                   | _____          |
| Hydrogen sulfide                                 | _____          |
| Methane  | _____          |
| Ethane and higher                                | _____          |
| Specific Gravity (calculated)                    | _____          |
| Specific Gravity (observed)                      | _____          |
| Gross B.t.u. per cu. ft. at 60° F. and 14.7 psia | _____          |

### HYDROGEN SULFIDE

(by Turwiler Method)

Grains of hydrogen sulfide per  
100 cu. ft. of gas at 60° F. and  
14.7 psia \_\_\_\_\_  
Percentage of hydrogen sulfide \_\_\_\_\_

### PODBIELNIAK Low Temperature Fractionation

|  | % by<br>Volume | G. P. M. |
|--|----------------|----------|
| Oxygen                                       | 0              |          |
| Nitrogen                                     | 4.06           |          |
| Carbon dioxide                               | 0.46           |          |
| Hydrogen sulfide                             | 0              |          |
| Methane                                      | 90.15          |          |
| Ethane                                       | 3.76           |          |
| Propane                                      | 0.80           | 0.219    |
| Isobutane                                    | 0.27           | 0.088    |
| N-butane                                     | 0.26           | 0.082    |
| Isopentane                                   | 0.10           | 0.036    |
| N-pentane                                    | 0.09           | 0.033    |
| Hexanes & higher                             | 0.05           | 0.023    |
| TOTAL  | 100.00         | 0.481    |
| Gross B.t.u. at 60° F. and 14.7 psia by Pod. |                | 1026     |
| Specific Gravity by Pod.                     |                | 0.614    |
| Specific Gravity by Weight                   |                | 0.617    |

### G. P. M.

|                       |       |
|-----------------------|-------|
| Actual pentanes +     | 0.092 |
| Calculated at 12 lbs. | -     |
| Calculated at 15 lbs. | 0.093 |
| Calculated at 22 lbs. | 0.107 |
| Calculated at 26 lbs. | 0.118 |

Vapor pressure (calculated) of  
actual pentanes + 14.58

Remarks and Conclusions: \_\_\_\_\_

Branch of Oil and Gas Operations  
445 Federal Building  
Salt Lake City 1, Utah

October 14, 1960

Subject: Pending Bryson Canyon Unit 2,  
Salt Lake 071172, SE 1/4  
sec. 10, T. 17 S., R. 24 E.,  
Grand County, Utah

Trend Oil Company  
LaCourt Hotel  
Grand Junction, Colorado

Attn: Mr. C. D. Jones

Gentlemen:

On October 11, Mr. Jones called this office with the thought in mind that we would order tests of the Upper Dakota and Cedar Mountain zones of well 2 and overlook the Utah State Oil and Gas Conservation Commission rule C-9 as well 2 is located closer than 4760 feet from well 1. He was informed we would not do this at the present time but we suggested a substantial cement plug be placed to shut off water as found in the Estrada and run casing in the hole. At some later date, after the Bryson Canyon Unit is approved, the operator could then perforate the Upper Dakota and Cedar Mountain horizons. Most perforating trucks are equipped or can be equipped with a small gin pole and lubricator with which to run the perforating tool so there would be very little, if any, added expense.

Enclosed is a supply of form 9-330 "Log of Oil or Gas Well" which you should complete in duplicate for Bryson Canyon Unit 1.

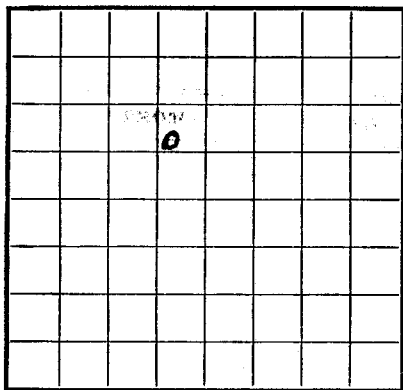
Very truly yours,

B. F. Russell  
District Engineer

Enclosures

cc: Camper





LOCATE WELL CORRECTLY

State

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER SL 071172  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

NOV 1960

## LOG OF OIL OR GAS WELL

Company Trend Oil Co Address 412 Statler Center Los Angeles 17  
Lessor or Tract Government Field Bryson Canyon State Utah  
Well No. 2 Sec. 10 T. 17N 24E Meridian SL County Grand  
Location 3322 ft. N of S Line and 2110 ft. E of W Line of Section 10 Elevation 5827  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date Nov. 1, 1960

Title

N. P. P. Gen Mgr

The summary on this page is for the condition of the well at above date.

Commenced drilling Sept. 1, 1960 Finished drilling Oct. 21 to move in 1960  
completion rig

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4550 to 4560 G No. 4, from 4900 to 4945 G&SW  
No. 2, from 4586 to 4620 G No. 5, from 5229 to 5242 SW  
No. 3, from 4725 to 4750 G & SW No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 5229 to 5242 SW No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make                              | Amount | Kind of shoe | Cut and pulled from | Perforated |      | Purpose      |
|-------------|-----------------|------------------|-----------------------------------|--------|--------------|---------------------|------------|------|--------------|
|             |                 |                  |                                   |        |              |                     | From—      | To—  |              |
| 8 5/8       |                 |                  | API Seamless new 1015 Halliburton |        |              |                     | 4911       | 4902 | Water String |
| 5 1/2       |                 |                  | 4586                              |        |              |                     | 4911       | 4902 |              |
|             |                 |                  |                                   |        |              |                     | 4737       | 4748 |              |

## HISTORY OF OIL OR GAS WELL

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 1015      | 450                    | Halliburton | 10.6#       |                    |
| 5 1/2       | 4999      | 150                    | "           | "           |                    |

## PLUGS AND ADAPTERS

Length

Depth set



FOLD MARK

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 1015      | 450                    | Halliburton | 10.6        |                    |
| 5 1/2       | 4999      | 150                    | "           | "           |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

### PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

### SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

(mud)

1015

### TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from 4765 feet to 5229 feet

Cable tools were used from 1015 feet to 4765 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours 1500 MCF & 5 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 800 MCF & Sw Now waiting on Completion Rig.

### EMPLOYEES

G.S. Campbell Geologist, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller Pease Drilling Co. \_\_\_\_\_, Driller

### FORMATION RECORD

| FROM— | TO—                                | TOTAL FEET | FORMATION                         |
|-------|------------------------------------|------------|-----------------------------------|
|       | See SCHLUMBERGER LOGS AND MICROLOG |            |                                   |
| 0     | 640                                |            | Mesaverde & Sego ss               |
| 640   | 910                                |            | Buck Tounge sh                    |
| 910   | 970                                |            | Castlegate ss                     |
| 970   | 4364                               |            | L. Mancos sh                      |
| 4364  | 4454                               |            | Dakota Silt                       |
| 4454  | 4560                               |            | Cedar Mtn. ( L. Dakota) ss and sh |
| 4560  | 5242                               |            | Morrison ss and sh                |

0961

LOG

LOG

LOG

(OVER)

LOG

10-48094-4



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Branch of Oil and Gas Operations  
455 Federal Building  
Salt Lake City 1, Utah

November 10, 1960

Subject: Pending Bryson Canyon Unit 2,  
Salt Lake 071172, SE $\frac{1}{4}$  NW $\frac{1}{4}$ ,  
Sec. 10, T. 17 S., R. 24 E.,  
Grand County, Utah

Trend Oil Company  
LaCourt Motel  
Grand Junction, Colorado

Attn: Mr. C. D. Jones

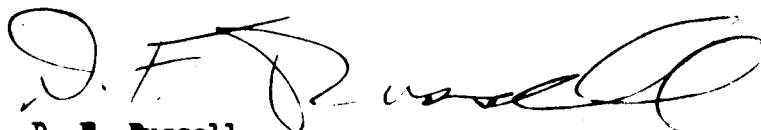
Gentlemen:

In conjunction with our letter of October 14, 1960, regarding the subject well, we wish to emphasize that we are in concurrence with the Utah State Oil and Gas Conservation Commission as to Rule C-3, which limits the spacing between gas wells to no less than 4960 feet.

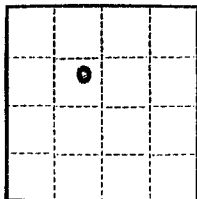
Therefore, we order you to not perforate the Dakota and Brushy Basin sections in this well until such time as the Bryson Canyon Unit is approved.

If the well has been perforated we request a copy of the perforating ticket signed by a Service Company representative.

Very truly yours,

  
D. F. Russell  
District Engineer

DFR:awg  
cc: Casper  
H. W. Dougherty  
Oil & Gas Commission



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R355.4.  
Approval expires 12-31-60.

Land Office Salt Lake City

Lease No. U-071172

Unit Bryson Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

|  |  |  |  |
|--|--|--|--|
| NOTICE OF INTENTION TO DRILL                   |  | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS            |  | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     |  | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL |  | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        |  | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    |  | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL            |  |  |  |
|  |  | <u>Subsequent surface csg. report x</u>    |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

28 November, 1960

Well No. 2 is located 3322.8 ft. from N line and 2110.2 ft. from E line of sec. 10

NW 10 17S 24E S.L.  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bryson Canyon Grand County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5838 ft. K.S.

DETAILS OF WORK

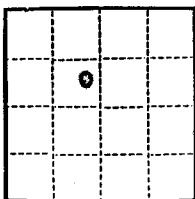
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Ran 1014' 8 5/8" surface casing with 400 sacks, set 70 hours.  
Observed no drop in fluid level. Circ. cement to surface.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Trend Oil Company  
Address 412 Statler Center  
Los Angeles 17, Calif.

By G. S. Campbell  
Title Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-071172  
Unit Bryson Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |   |
|---|---|---|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        | X |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |   |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |   |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |   |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |   |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 |   |
| NOTICE OF INTENTION TO ABANDON WELL.....            | Subsequent rpt. prod. csg. 5 1/2".....          | X |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

28 November, 1960

Well No. 2 is located 3322.3 ft. from N line and 2110.2 ft. from E line of sec. 10  
NW 10 17S 24E S.L.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bryson Canyon Grand County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5838 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 4998' 5 1/2" csg. with 150 sacks. Calculated to 4200'.  
Temp log showed cmt. top at 4300'. Tested by observing no drop in fluid.

Also set 25 sacks plug at T.D. 5229 back to 5170' to seal off Entrada. Used Halliburton.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Trend Oil Company  
Address 412 Statler Center  
Los Angeles 17, California

By G. S. Campbell  
Title Geologist

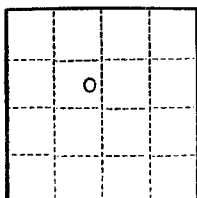
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-071172

Unit Bryson Canyon

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |
|---|---|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |
| <b>Notice of intention run csg. x</b>               |   |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

28 November, 1960

Well No. 2 is located 3322.3 ft. from N line and 2110.2 ft. from E line of sec. 10

NW 10 17S 24E S.L.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Bryson Canyon Grand County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5838 ft.K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Plan to run 4998' 5 1/2" 15.50# casing with 150 sacks.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Trend Oil Company  
Address 412 Statler Center  
Los Angeles 17, California  
By G. S. Campbell  
Title Geologist

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.  
Approval expires 12-31-60.

LAND OFFICE Salt Lake City  
LEASE NUMBER U-071172  
UNIT \_\_\_\_\_

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Grand Field Bryson Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1960,

Agent's address 412 Statter Center Company Trend Oil Company

Los Angeles 17, California Signed \_\_\_\_\_

Phone \_\_\_\_\_ Agent's title Geologist

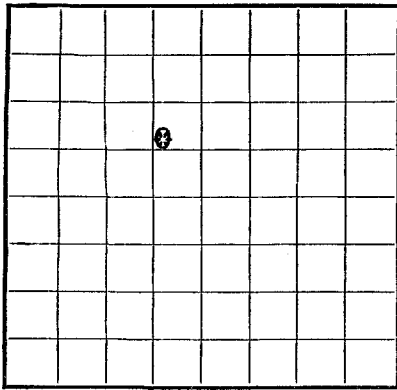
| SEC. AND<br>¼ OF ¼ | TWP. | RANGE | WELL<br>NO. | DAYS<br>PRODUCED | BARRELS OF OIL                              | GRAVITY | CU. FT. OF GAS<br>(In thousands) | GALLONS OF<br>GASOLINE<br>RECOVERED | BARRELS OF<br>WATER (If<br>none, so state) | REMARKS<br>(If drilling, depth; if shut down, cause;<br>date and result of test for gasoline<br>content of gas) |
|--------------------|------|-------|-------------|------------------|---|---------|----------------------------------|-------------------------------------|--|---|
| 10 SE NW           | 17S  | 24E   | 2           |                  | Waiting re-completion                       |         |                                  |                                     |  |   |
| 12 SW SE           | 17S  | 24E   | 5-A         |                  | Shut in Castlegate well                     |         |                                  |                                     |  |   |
| 9 SW SE            | 17S  | 24E   | 6-A         |                  | Shut in gas from Cedar Mountain and lenses. |         |                                  |                                     |  | Brushy Basin  |
| 10 SE SW           | 17S  | 24E   | 1           |                  | Shut in gas from Cedar Mountain and lenses. |         |                                  |                                     |  | Brushy Basin  |

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M cu. ft. of gas sold;

----- No pipeline runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

U. S. LAND OFFICE Salt Lake City  
 SERIAL NUMBER U-071172  
 LEASE OR PERMIT TO PROSPECT  
**Bryson Canyon Unit**

 UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY
ADDENDA**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

 Company Trend Oil Company Address 417 Statler Center, Los Angeles  
 Lessor or Tract Government Field California State Utah  
 Well No. 2 Sec. 10 T. 17B E. Meridian 36E County Grand  
 Location 3322.3 <sup>N.</sup> of 3 Line and 2110.2 <sup>E.</sup> of W Line of 10 Elevation 5838 KB  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_

 Date 28 November 1960 Title Geologist

The summary on this page is for the condition of the well at above date.

 Commenced drilling 28 September, 19 60 Finished drilling October, 19 60
**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

 No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_
**IMPORTANT WATER SANDS**
 No. 1, from 5229 to 5240 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_
**CASING RECORD**

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
|             |                 |                  |      |        |              |                     | From—      | To— |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |

**MUDDING AND CEMENTING RECORD**

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

**PLUGS AND ADAPTERS**

Hosing plug Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Ref. #10

50.0

OLD MARK

leaving plug Material Size

Adapters—Material

### SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

Mud to 1030  
Air to 4779

### TOOLS USED

Rotary tools were used from 4779 feet to T.D. feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

### DATES

Put to producing, 19

The production for the first 24 hours was barrels of fluid of which % was oil; %  
emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

### EMPLOYEES

, Driller, Driller  
, Driller, Driller

### FORMATION RECORD

| FROM—            | TO—       | TOTAL FEET | FORMATION                          |
|------------------|-----------|------------|------------------------------------|
| See Electric Log |           |            |                                    |
| 0                | 640       |            | Mesaverde sandstone and shale      |
| 640              | 910       |            | Buck Tongue shale                  |
| 910              | 970       |            | Castlegate sandstone               |
| 970              | 4364      |            | Mancos Shale                       |
| 4364             | 4454      |            | Dakota Silt shale and silt         |
| 4454             | 4560      |            | Dakota Pick sandstone and shale    |
| 4560             | 4684      |            | Cedar Mountain sandstone and shale |
| 4684             | 5229      |            | Morrison sandstone and shale       |
| 5229             | 5240 T.D. |            | Entrada sandstone                  |

(OVER)

DEC 22 1960



## HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Perforated 4924-42, 4902-14, 4736-48, 4725-33, 4589-4606, 4554-4559, separation packer set at 4650 and both upper and lower zones made gas but turned to salt water prior to being tested. Cement job channeled and/or fractured causing all zones to be communicated and water bearing. Plan to re-enter and squeeze and re-test.

# TRAFLOKLEVAL MYLKER SYSTEM

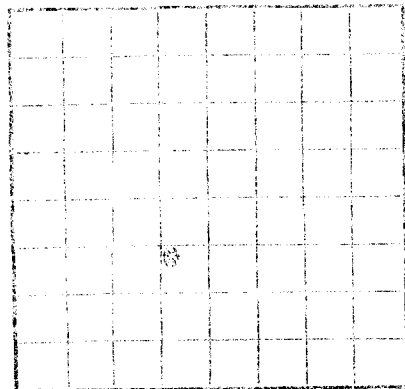
|              |    |              |    |
|--------------|----|--------------|----|
| 120° 0' from | 01 | 120° 0' from | 00 |
| 120° 0' from | 01 | 120° 2' from | 10 |
| 120° 1' from | 10 | 120° 4' from | 10 |

OFFICE OF THE ATTORNEY GENERAL

1. The purpose of this report is to provide a summary of the findings of the investigation into the alleged activities of the [redacted] group.

100-443887-100

POSSIBLE LEFT CONNECTION



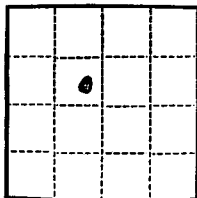
FOUO OF OIR OF CV2 METT

GEOLOGICAL ENGINEERING

## DEVELOPMENT OF THE MATERIALS

UNCLAS 214122

RECEIVED  
FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
WASHINGTON, D. C. 20535



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Approval expires 12-31-60.

Land Office Salt Lake City

Lease No. S L 071172

Unit Bryson Canyon

Unit

SUNDRY NOTICES AND REPORTS ON WELLS

|   |                                     |   |                                     |
|---|-------------------------------------|---|-------------------------------------|
| NOTICE OF INTENTION TO DRILL.....                   |                                     | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        | <input checked="" type="checkbox"/> |
| NOTICE OF INTENTION TO CHANGE PLANS.....            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |                                     |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     |                                     | SUBSEQUENT REPORT OF ALTERING CASING.....       |                                     |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |                                     |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        |                                     | SUBSEQUENT REPORT OF ABANDONMENT.....           |                                     |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    |                                     | SUPPLEMENTARY WELL HISTORY.....                 |                                     |
| NOTICE OF INTENTION TO ABANDON WELL.....            |                                     |   |                                     |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 5, 1961

Well No. 2 is located 3322 ft. from N line and 210 ft. from E line of sec. 10

10 17S 24 E Salt Lake  
(Twp.) (Range) (Meridian)  
Bryson Canyon Grand Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5238 ft. (GL 5827.8)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Dec 10, 1960 drilled out Cement Plug at 4980, pump tested and found channeling behind cement in all zones. Halliburton squeezed 70 Sacks at 4980 and 330 sacks at 4600 recementing all zones. Temp survey showed Cement at 3300 ft. re-perforated all zones and swab tested with no result. Halliburton acid Fracked 4720-4750 failed to recover anything including acid. Halliburton then acid fracked 4720-4750, recovered acid and good show of Gas. set production packer 4800 and Oil Fracked 4720-4750 with 7500 Gal diesel and 51 sacks sand swabbed and flowed acid and some sand well bridged perforations and stuck swab recovered swab and swabbed well 36 hrs. Fluid rose 100 ft every two hours. with show of gas diesel oil & Salt water. set packer at 4650. Fracked with diesel oil and sand 4540- 4620 with 7500 gals and 48 sacks of sand, swabbed estimated 4 MCF Gas. Killed well with diesel. set permanent Baker production packer at 4525 on wire line, completed well with est. 1.5 MCF, Good Gas. Well shut in waiting market.

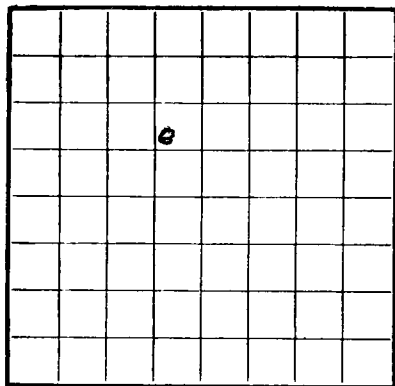
I understand that this work requires approval in writing by the Geological Survey before operations may be commenced.

Company Trend Oil Co.

Address 412 Statler Center  
Los Angeles Cal

By [Signature]

Title Vice Pres & Gen Mgr.



LOCATE WELL CORRECTLY

# STATE OF UTAH OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah

To be kept Confidential until \_\_\_\_\_  
(Not to exceed 4 months after filing date)

## LOG OF OIL OR GAS WELL

Operating Company Trend Oil Company Address 412 Statler Center, Los Angeles 17  
Lease or Tract Government SL 071172 Field Bryson Canyon State Utah Calif.  
Well No. 2 Sec. 10 T. 17S R. 24E Meridian S.L. County Grand  
Location 3322 ft. N. of S. Line and 2110 ft. E. of W. Line of Section 10 Elevation 5827  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_

Date February 1, 1961

Title \_\_\_\_\_

The summary on this page is for the condition of the well at above date.

Commenced drilling: October 1, 19 60 Finished drilling October 28 to move in 19 60  
completion rig

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4550 to 4560 G No. 4, from 4900 to 4945 G and SW  
No. 2, from 4586 to 4620 G No. 5, from 5229 to 5242 SW  
No. 3, from 4725 to 4750 G & SW No. 6, from \_\_\_\_\_ to \_\_\_\_\_

### IMPORTANT WATER SANDS

No. 1, from 5229 to 5242 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

| Size casing | Weight per foot | Threads per inch      | Make        | Amount | Kind of shoe | Cut and pulled from | Perforated |      | Purpose      |
|-------------|-----------------|-----------------------|-------------|--------|--------------|---------------------|------------|------|--------------|
|             |                 |                       |             |        |              |                     | From—      | To—  |              |
| 8 5/8       |                 | API Seamless new 1015 | Halliburton |        |              |                     | 4914       | 4902 | Water string |
| 5 1/2       |                 | "                     | "           | 4999   | "            |                     | 4942       | 4924 |              |
|             |                 |                       |             |        |              |                     | 4726       | 4733 |              |
|             |                 |                       |             |        |              |                     | 4737       | 4748 |              |
|             |                 |                       |             |        |              |                     | 4590       | 4608 |              |
|             |                 |                       |             |        |              |                     | 4554       | 4558 |              |

### MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8 5/8       | 1015      | 450                    | Halliburton | 10.6#       |                    |
| 5 1/2       | 4999      | 150                    | "           | "           |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

### PLUGS AND ADAPTERS

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

(mud)

## TOOLS USED

Rotary tools were used from 1015 feet to 0 feet, and from 4765 feet to 5229 feet

(air)  
Cable tools were used from 1015 feet to 4765 feet, and from ..... feet to ..... feet

## DATES

Date P &amp; A ....., 19..... Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours 1500 MCF&amp;SW Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 800 MCF&amp;SW Now waiting on completion rig.

## EMPLOYEES

G. S. Campbell, Geologist, Driller Pease Drilling Co., Driller

....., Driller ..... , Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET                      | FORMATION   |
|-------|------|---------------------------------|---|
|       |      |                                 | At the end of complete Driller's Log add Geologic Tops.<br>State whether from Electric Logs or samples. |
|       | SEE  | SCHLUMBERGER, IES, AND MICROLOG |   |
| 0     | 640  |                                 | Mesaverde and Sego ss   |
| 640   | 910  |                                 | Buck Tongue sh  |
| 910   | 970  |                                 | Castlegate ss   |
| 970   | 4364 |                                 | L. Mancos sh  |
| 4364  | 4454 |                                 | Dakota silt   |
| 4454  | 4560 |                                 | Cedar Mtn. (L.Dakota) ss and sh   |
| 4560  | 5242 |                                 | Morrison ss and sh  |

[OVER]

1961 2 AON

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

State whether electric logs were run.

December 10, 1960 drilled out cement plug at 4980, pump tested and found channeling behind cement in all zones. Halliburton squeezed 70 sacks at 4980 and 330 sacks at 4600, recementing all zones. Temporary survey showed cement at 3300 feet. Reperforated all zones and swab tested with no result. Halliburton acid fraced 4720-4750, failed to recover anything, including acid. Halliburton then acid fraced 4720-4750, recovered acid and good show of gas. Set production packer 4800 and oil fraced 4720-4750 with 7500 gallons diesel and 51 sacks sand. Swabbed and flowed acid and some sand. Bridged perforations and stuck swab. Recovered swab and swabbed well 36 hours. Fluid rose 100 feet every two hours with show of gas, diesel oil and salt water. Set packer at 4650. Fraced with diesel oil and sand 4540-4620 with 7500 gallons and 48½ sacks of sand. Swabbed estimated 4 MCF gas. Killed well with diesel. Set permanent Baker production packer at 4525 on wire line. Completed well with estimated 1½ MMCF, good gas. Well shut in waiting market. S.I.P. 1052. B.T.U. 1187.

November 22, 1961

Trend Oil Company  
612 Statler Center  
900 Wilshire Blvd.  
Los Angeles, California

Attn: C. D. Jones

Re: Wells No. Bryson Canyon Unit 1  
and Bryson Canyon Unit 2  
Sec. 10, T. 17 S., R. 24 E.  
Grand County, Utah

Gentlemen:

We would like to thank you for sending us the Well Logs on the above mentioned wells. However, we could not find a specific shut-in date for either well and at this time, we do not have a correct completion date for them.

Would you please send us the above information and also on Well No. Bryson Canyon Unit 2 whether 5229' or 5242' is the correct total depth.

Your attention to the above request will be very much appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES,  
RECORDS CLERK

AWG:kp

676  
11

TREND OIL COMPANY  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX  
811 West 7th Street  
Los Angeles 17, California

December 12, 1961

Ann W. Glines, Records Clerk  
The State of Utah Oil & Gas  
Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Re: Wells No. Bryson Canyon Unit 1  
and Bryson Canyon Unit 2  
Sec. 10, T. 17 S., R. 24 E.  
Grand County, Utah

Dear Miss Glines:

Answering your letter dated  
November 22, 1961, we wish to report the  
Bryson Canyon Unit 2 well was completed  
January 15th, 1961 at 5242'.

We wish to call to your attention  
that we have moved our offices and henceforth  
all correspondence should be directed to our  
new address which is as follows:

811 West 7th Street  
Room 402  
Los Angeles 17, California

Very truly yours,

TREND OIL COMPANY

By

ks  
air mail

H. L. Loney

**TREND OIL COMPANY**

June 13, 1966

Mr. R. A. Smith  
District Engineer  
United States Geological Survey  
8416 Federal Building  
125 S. State Street  
Salt Lake City, Utah

Dear Sir:

Due to a curtailment in deliveries of gas to Mesa Pipeline Company, it will be necessary to shut in our wells delivering into said pipeline from June 16, 1966 to August 16, 1966. The following is a list of wells to be shut in:

|                                  |
|----------------------------------|
| Bryson Canyon Unit #1 - Morrison |
| " " " #1 - Dakota                |
| " " " #2 - Dakota                |
| " " " #3 - Dakota                |
| " " " #6A - Dakota               |
| " " " #9 - Dakota                |

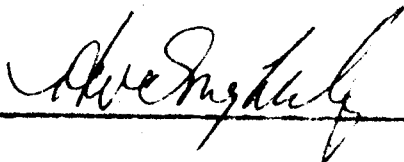
This curtailment is occasioned by the reduced summer demand by Mountain Fuel Supply Company who purchases the gas from Mesa Pipeline Company. The minimum contract quantity is on a yearly basis and will be delivered.

If any additional information is needed regarding this shut down, please let us know.

Yours very truly,

**TREND OIL COMPANY**

By



ks